

CLAIMS

1. A network connection system for a cellular telephone, the network connection system causing a cellular telephone (10) to access a site (50) holding
5 predetermined content (53) via a network,

there being an assignment relationship established between each numerical key (12) included among dial keys of the cellular telephone, and a numerical character on each numerical key and/or a plurality of single alphabetical characters,

said network connection system comprising:

10 a database holding means (35) for holding a database (40) in which secondary data and the site address of a site are associated with each other, the secondary data being obtained by numerical conversion of primary information about said site in accordance with said assignment relationship;

15 a search means (32), when receiving from the cellular telephone a search request with a numeric string entered via said dial keys and specified, for searching said database to retrieve sites associated with the secondary data including said numeric string;

a search result presentation means (33) for presenting the names of the sites retrieved by said search means as a search result to said cellular telephone; and

20 an address specification means (34) for acquiring from said database the site address of a site selected from the names of the presented sites via said cellular telephone to make a response indicating the site address as an access request destination of said cellular telephone.

2. The network connection system according to claim 1, wherein

25 when receiving from said cellular telephone a search request with a numeric

string with an operator entered via said dial keys and specified, said search means searches said database in accordance with a function defined for the operator to retrieve sites associated with the secondary data including the numeric string.

5 3. The network connection system according to claim 2, wherein
the function defined for said operator includes the function of specifying a search field of said database.

10 4. The network connection system according to claim 3, wherein
the function defined for said operator includes the function of specifying which is to be retrieved, secondary data fully matching said numeric string, secondary data partially matching said numeric string, or secondary data prefix-matching said numeric string.

15 5. The network connection system according to claim 2, wherein
said operator is entered via a function key included among the dial keys of the cellular telephone.

20 6. The network connection system according to claim 1, wherein
the search result presentation means presents a character string obtained by character conversion of said numeric string in accordance with said assignment relationship and the number of names of sites including the character string to said cellular telephone when the number of sites retrieved by said search means exceeds a predetermined number.

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7. The network connection system according to claim 1, wherein
said cellular telephone includes

a search request means (11) for requesting said search means to make a search
with a numeric string specified, when the numeric string is entered on a standby screen
5 and a predetermined dial key is pressed.

8. A network connection system for a cellular telephone, the network
connection system causing a cellular telephone to access a site holding predetermined
content via a network,

10 there being an assignment relationship established between each numerical key
included among dial keys of the cellular telephone, and a numerical character on each
numerical key and/or a plurality of single alphabetical characters,

said network connection system comprising:

an extraction means (37) for accepting from the cellular telephone a numeric
15 string obtained by numerical conversion of information about a site in accordance with
said assignment relationship to extract site candidates corresponding to the numeric
string;

a search result presentation means for presenting the names of the site
candidates extracted by said extraction means as a search result to said cellular telephone;
20 and

an address specification means for acquiring the site address of a site selected
from the names of the presented site candidates via said cellular telephone to make a
response indicating the site address as an access request destination of said cellular
telephone.

9. The network connection system according to claim 8, further comprising a database holding means for holding a database in which information about a site and the site address of said site are associated with each other,

wherein said extraction means searches said database to retrieve a site associated with information including a character string obtained by character conversion of the numeric string accepted from the cellular telephone in accordance with said assignment relationship, and

wherein said address specification means acquires the site address of the site selected via said cellular telephone from said database.

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10. A network connection system for a cellular telephone, the network connection system causing a cellular telephone to access a site holding predetermined content via a network,

there being an assignment relationship established between each numerical key included among dial keys of the cellular telephone, and a numerical character on each numerical key and/or a plurality of single alphabetical characters,

said network connection system comprising:

an address conversion means for accepting from the cellular telephone a numeric string obtained by numerical conversion of information about a site in accordance with said assignment relationship to convert the numeric string into the site address of a site corresponding to the numeric string, thereby making a response indicating the site address as an access request destination of said cellular telephone; and

a cellular telephone including a conversion request means for requesting said address conversion means to perform an address conversion with a numeric string specified, when the numeric string is directly entered on a standby screen and a

predetermined dial key is pressed.

11. A cellular telephone capable of connecting to a network,
there being an assignment relationship established between each numerical key
5 included among dial keys of the cellular telephone, and a numerical character on each
numerical key and/or a plurality of single alphabetical characters,
said cellular telephone comprising
an address request means for making a request while specifying the site address
of a site corresponding to a numeric string as a connection destination, when the numeric
10 string is directly entered on a standby screen and a predetermined dial key is pressed, the
numeric string being obtained by numerical conversion of information about a site in
accordance with said assignment relationship.